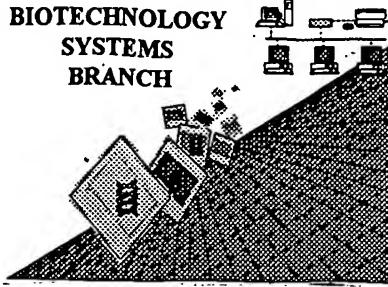


0230
OKD

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/032,256
Source: OIPE
Date Processed by STIC: 1/16/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTE

SUGGESTED CORRECTION

SERIAL NUMBER: 10/032,256

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE.

- | | | |
|----|------------------------------------|--|
| 1 | Wrapped Nucleic
Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. |
| 3 | Misaligned Amino
Numbering | The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead. |
| 4 | Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text. |
| 5 | Variable Length | Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | PatentIn 2.0
"bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 7 | Skipped Sequences
(OLD RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8 | Skipped Sequences
(NEW RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 9 | Use of n's or Xaa's
(NEW RULES) | J
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 10 | Invalid <213>
Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence |
| 11 | Use of <220> | Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | PatentIn 2.0
"bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |
| 13 | Misuse of n | n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide. |



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002
TIME: 18:45:02

Input Set : A:\M2335hn1.app
Output Set: N:\CRF3\01162002\J032256.raw

**Does Not Comply
Corrected Diskette Needed**

P.5

3 <110> APPLICANT: CHODOSH, Lewis A
 4 GARDNER, Heather P
 6 <120> TITLE OF INVENTION: HORMONALLY UP-REGULATED, NEU-TUMOR-ASSOCIATED KINASE
 8 <130> FILE REFERENCE: 22253-70421
 10 <140> CURRENT APPLICATION NUMBER: US/10/032,256
 11 <141> CURRENT FILING DATE: 2001-12-21
 13 <150> PRIOR APPLICATION NUMBER: 60/257,073
 14 <151> PRIOR FILING DATE: 2000-12-21
 16 <160> NUMBER OF SEQ ID NOS: 18
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 5024
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Murinae gen. sp.
 25 <400> SEQUENCE: 1
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 28 gggcgatgg aggcgcggag gacacgacca ggcggcgccg ggcctgcgag ggaagtttcc 180
 29 tgcgcgttg ggtgagcggc gtgtcccgcg agcggctccg ggacttccag caccacaagc 240
 30 gctggggcaa ctacccatc ggcagcggaga agctgggaga gggctccccc gccaagggtgc 300
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 33 tgcgcgaca ccccaacatc acacagctcc tggacatctt ggagacagag aacagctact 480
 34 acctggcat ggagctgtgt cctgggtggca acctcatgca caagatctac gaaaagaaac 540
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002

TIME: 18:45:02

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Output Set: N:\CRF3\01162002\J032256.raw

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 55 atatggtagc ctccttgag tctgtggatc gagaggacca catagaactg ctgtcccctt 1800
 56 ctcaccatta taggatcctg agctcgctg tgagcctggc tcgttaggaat tctagtgaga 1860
 57 ggacactctc ccaggggctg ctgtccggaa gtacctcacc tctccaaact ccactgcatt 1920
 58 ccacgcttgt ctctttgcc cacgaagaaa agaacagccc cccgaaagag gagggtgtgt 1980
 59 gttcaccgccc tcccgttccc agtaatggcc tcctgcagcc tctggggagc cccaaactgtg 2040
 60 tgaagagcag gggacggttc cccatgatgg gcatcgacca gatgctgagg aagcggcacc 2100
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 62 tagccccctc cagcctctcc tttgacatgg ccgacggtgt caagggccag tgttaacctg 2220
 63 ggtatggcaag attctgggtc tctgtgagga cagccacggg acagagctcc acacaggcag 2280
 64 gcaccagggc atgggtgaac aacctcacgg gagcatcctt tattcttttta tacctgccac 2340
 65 acaaagtccc acgcttgtat cagctgaagt ccacactcaa agtccacgca cttacttagg 2400
 66 gaccctctga gacgctgcca cttagggggag ggggaggggg cagactgtgg gaatcacacc 2460
 67 ttccagcctg agattttctt tgctatcacc aatcaactgag ccctctccag gatcccctca 2520
 68 gtgggcttag agctaataac cacacctcca tctgtggc caatcagatt tccagactgg 2580
 69 taccaggttg tccctccctt cctctctgtg tgtctctcac agttctgtaa ctgaccgtca 2640
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 71 agggatccctt ctacagaggg aagcaaccctt cctttcccta acagttagtc cccacagagt 2760
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 74 tgacagattt ttcttcctc tctttctttt tccctgtacc ttttcttctt tttgggttga 2940
 75 aacttgcgtga ggattgaacg aacttgcgtca aagagatctt tctttatatg aagtcatcaa 3000
 76 ttaaattttt ttttaaaga cagggtctca ttaagtagcc caagctggct tcaaactcat 3060
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 101 tcgagaacag cgtcagatgt acaacttagtt tgcctgcgtt gctactggta cttggactc 4560
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002
TIME: 18:45:02

Input Set : A:\M2335hn1.app
Output Set: N:\CRF3\01162002\J032256.raw

103 gaacaggagg gagacaagct gtgttctggg ggcacataa acacctgaca gacgagtcta 4680
 104 ggaaaccgcg tgaaaagaaga aatgttaaat tctttattgt tttatttat ttatatggaa 4740
 105 aatgtggcta tcctttgtt aagtgcagag tgtattgtct gtttgaccca tgactgtcct 4800
 106 tcatgaatga gtcttgcct gtgattctag tcagcctgtg gctactgatg ggaacggccg 4860
 107 atctgtcatc atgtgaagtc caggaggaag aatctattt agtcatacga tttggtcatg 4920
 108 agtaaggact atatttatgt caccactatt gaatatatgt actttataa tggctgtgaa 4980
 109 atacacttt tcctcacaaa aaaaaaaaaa aaaaaaaaaa aaaa 5024
 112 <210> SEQ ID NO: 2
 113 <211> LENGTH: 714
 114 <212> TYPE: PRT
 115 <213> ORGANISM: Murinae gen. sp.
 117 <400> SEQUENCE: 2
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 119 1 5 10 15
 121 Gly Gly Asp Gly Gly Ala Glu Asp Thr Thr Arg Pro Ala Ala Ala Cys
 122 20 25 30
 124 Glu Gly Ser Phe Leu Pro Ala Trp Val Ser Gly Val Ser Arg Glu Arg
 125 35 40 45
 127 Leu Arg Asp Phe Gln His His Lys Arg Val Gly Asn Tyr Leu Ile Gly
 128 50 55 60
 130 Ser Arg Lys Leu Gly Glu Gly Ser Phe Ala Lys Val Arg Glu Gly Leu
 131 65 70 75 80
 133 His Val Leu Thr Gly Glu Lys Val Ala Ile Lys Val Ile Asp Lys Lys
 134 85 90 95
 136 Arg Ala Lys Lys Asp Thr Tyr Val Thr Lys Asn Leu Arg Arg Glu Gly
 137 100 105 110
 139 Gln Ile Gln Gln Met Ile Arg His Pro Asn Ile Thr Gln Leu Leu Asp
 140 115 120 125
 142 Ile Leu Glu Thr Glu Asn Ser Tyr Tyr Leu Val Met Glu Leu Cys Pro
 143 130 135 140
 145 Gly Gly Asn Leu Met His Lys Ile Tyr Glu Lys Lys Arg Leu Asp Glu
 146 145 150 155 160
 148 Ala Glu Ala Arg Arg Tyr Ile Arg Gln Leu Ile Ser Ala Val Glu His
 149 165 170 175
 151 Leu His Arg Ala Gly Val Val His Arg Asp Leu Lys Ile Glu Asn Leu
 152 180 185 190
 154 Leu Leu Asp Glu Asp Asn Asn Ile Lys Leu Ile Asp Phe Gly Leu Ser
 155 195 200 205
 157 Asn Cys Ala Gly Ile Leu Gly Tyr Ser Asp Pro Phe Ser Thr Gln Cys
 158 210 215 220
 160 Gly Ser Pro Ala Tyr Ala Ala Pro Glu Leu Leu Ala Arg Lys Lys Tyr
 161 225 230 235 240
 163 Gly Pro Lys Ile Asp Val Trp Ser Ile Gly Val Asn Met Tyr Ala Met
 164 245 250 255
 166 Leu Thr Gly Thr Leu Pro Phe Thr Val Glu Pro Phe Ser Leu Arg Ala
 167 260 265 270
 169 Leu Tyr Gln Lys Met Val Asp Lys Ala Met Asn Pro Leu Pro Thr Gln
 170 275 280 285
 172 Leu Ser Thr Gly Ala Val Asn Phe Leu Arg Ser Leu Leu Glu Pro Asp

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002
TIME: 18:45:02

Input Set : A:\M2335hn1.app
Output Set: N:\CRF3\01162002\J032256.raw

173	290	295	300
175	Pro Val Lys Arg Pro Asn Ile Gln Gln Ala Leu Ala Asn Arg Trp Leu		
176	305	310	315
178	Asn Glu Asn Tyr Thr Gly Lys Val Pro Cys Asn Val Thr Tyr Pro Asn		320
179	325	330	335
181	Arg Ile Ser Leu Glu Asp Leu Ser Pro Ser Val Val Leu His Met Thr		
182	340	345	350
184	Glu Lys Leu Gly Tyr Lys Asn Ser Asp Val Ile Asn Thr Val Leu Ser		
185	355	360	365
187	Asn Arg Ala Cys His Ile Leu Ala Ile Tyr Phe Leu Leu Asn Lys Lys		
188	370	375	380
190	Leu Glu Arg Tyr Leu Ser Gly Lys Ser Asp Ile Gln Asp Ser Ile Cys		
191	385	390	395
193	Tyr Lys Thr Gln Leu Tyr Gln Ile Glu Lys Cys Arg Ala Thr Lys Glu		400
194	405	410	415
196	Pro Tyr Glu Ala Ser Leu Asp Thr Trp Thr Arg Asp Phe Glu Phe His		
197	420	425	430
199	Ala Val Gln Asp Lys Lys Pro Lys Glu Gln Glu Lys Arg Gly Asp Phe		
200	435	440	445
202	Leu His Arg Pro Phe Ser Lys Lys Leu Asp Lys Asn Leu Pro Ser His		
203	450	455	460
205	Lys Gln Pro Ser Pro Ser Leu Ile Thr Gln Leu Gln Ser Thr Lys Ala		
206	465	470	475
208	480	490	495
209	Leu Leu Lys Asp Arg Lys Ala Ser Lys Ser Gly Phe Pro Asp Lys Asp		
211	485	490	495
212	Ser Phe Val Cys Arg Asn Leu Phe Arg Lys Thr Ser Asp Ser Asn Cys		
214	500	505	510
215	Val Ala Ser Ser Met Glu Phe Ile Pro Val Pro Pro Pro Arg Thr		
217	515	520	525
218	Pro Arg Ile Val Lys Lys Leu Glu Pro His Gln Pro Gly Pro Gly Ser		
219	530	535	540
220	Ala Ser Ile Leu Pro Lys Glu Glu Pro Leu Leu Leu Asp Met Val Arg		
221	545	550	555
223	560	565	570
224	Ser Phe Glu Ser Val Asp Arg Glu Asp His Ile Glu Leu Leu Ser Pro		575
226	580	585	590
227	Ser His His Tyr Arg Ile Leu Ser Ser Pro Val Ser Leu Ala Arg Arg		
229	595	600	605
232	Asn Ser Ser Glu Arg Thr Leu Ser Gln Gly Leu Leu Ser Gly Ser Thr		
233	610	615	620
235	Ser Pro Leu Gln Thr Pro Leu His Ser Thr Leu Val Ser Phe Ala His		
236	625	630	635
238	640	645	650
239	655	660	670
241	Val Lys Ser Arg Gly Arg Phe Pro Met Met Gly Ile Gly Gln Met Leu		
242	660	665	670
244	Arg Lys Arg His Gln Ser Leu Gln Pro Ser Ser Glu Arg Ser Leu Asp		
245	675	680	685

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002
TIME: 18:45:02

Input Set : A:\M2335hn1.app
Output Set: N:\CRF3\01162002\J032256.raw

247 Ala Ser Met Ser Pro Leu Gln Pro Ile Ala Pro Ser Ser Leu Ser Phe
248 690 695 700
250 Asp Met Ala Asp Gly Val Lys Gly Gln Cys
251 705 710
254 <210> SEQ ID NO: 3
255 <211> LENGTH: 10
256 <212> TYPE: RNA
257 <213> ORGANISM: Unknown Organism
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Unknown Organism: Kozak consensus
261 sequence
263 <400> SEQUENCE: 3
264 gccrccaaagg 10
267 <210> SEQ ID NO: 4
268 <211> LENGTH: 6
269 <212> TYPE: DNA
270 <213> ORGANISM: Unknown Organism
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Unknown Organism: polyadenylation
274 signal
276 <400> SEQUENCE: 4
277 aataaa 6
280 <210> SEQ ID NO: 5
281 <211> LENGTH: 6
282 <212> TYPE: DNA
283 <213> ORGANISM: Murinae gen. sp.
285 <400> SEQUENCE: 5
286 aataca 6
289 <210> SEQ ID NO: 6
290 <211> LENGTH: 6
291 <212> TYPE: PRT
292 <213> ORGANISM: murine Hunk; fragment
294 <400> SEQUENCE: 6
295 Asp Leu Lys Pro Glu Asn
296 1 5
299 <210> SEQ ID NO: 7
300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: degenerate
306 oligonucleotide primer PTKIa
308 <400> SEQUENCE: 7
W--> 309 gggcccgat ccacmgnay y → see item 9 on Env Summary Sheet 21
312 <210> SEQ ID NO: 8
313 <211> LENGTH: 28
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/032,256

DATE: 01/16/2002

TIME: 18:45:03

Input Set : A:\M2335hn1.app

Output Set: N:\CRF3\01162002\J032256.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:309 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7

L:309 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7

L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7